


# ACKNOWLEDGEMENT RECEIPT

Electronic Version

Stylesheet Version v01

| <b>Title of Invention</b> | METHOD AND APPARATUS FOR PRECISE TEMPERATURE CYCLING IN CHEMICAL/BIOCHEMICAL PROCESSES   |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
|---------------------------|--|--|--------------------------|-------------------|-----------|--------------|---|--------------|----------------------------|--------|--|--------------|------------------|-------|------------|--------------|------------------|-------|------------|--------|----------------------------|------|------------|--------|------------|------|------------|--------|------------|-------|------------|---------------|----------------------------|------|------------|---------------|-------------------|------|------------|---------------|-------------------|-------|------------|---------------|----------------------------|-------|------------|---------------|----------------------------|-------|------------|------------|----------------------------|------|------------|------------|----------------|-------|------------|------------|----------------|-------|------------|----------------|-------------------------|-------|------------|----------------|-------------------------|-------|------------|----------------|-------------------------|-------|------------|------------------|---------------------------|-------|------------|------------------|-------------------------|-------|------------|------------------|----------------------|-------|------------|------------------|----------|------|------------|------------------|-------------|-------|------------|
| Submission Type :         | Utility Patent Filing  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| Application Number:       | 10/709318  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| EFS ID:                   | 59969  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| Server Response:          | <table border="1"> <thead> <tr> <th>Confirmation Code</th> <th>Message</th> </tr> </thead> <tbody> <tr> <td>ISVR1</td> <td>Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application</td> </tr> <tr> <td>ICON1</td> <td>3317</td> </tr> <tr> <td>IGEN77</td> <td>Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either &lt;us-access-code&gt; not found in fee-xml OR actual access code not provided in the fuction call.</td> </tr> </tbody> </table>   |  |                          | Confirmation Code | Message   | ISVR1        | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application | ICON1        | 3317                       | IGEN77 | Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the fuction call. |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| Confirmation Code         | Message  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| ISVR1                     | Submission was successfully submitted - Even if Informational or Warning Messages appear below, please do not resubmit this application  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| ICON1                     | 3317   |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| IGEN77                    | Filename= N/A BusinessRule= The access code is not included which allows for automated processing to the deposit account. #Supporting Msg:Either <us-access-code> not found in fee-xml OR actual access code not provided in the fuction call.   |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| First Named Applicant:    | Siddhartha Panda   |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| Attorney Docket Number:   | FIS920040032US1  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| Timestamp:                | 2004-04-28 14:03:02 EDT  |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| From:                     | us   |  |                          |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| File Listing:             | <table border="1"> <thead> <tr> <th>Doc. Name</th> <th>File Name</th> <th>Size (Bytes)</th> <th>Date Produced (yyyymmdd)</th> </tr> </thead> <tbody> <tr><td>us-fee-sheet</td><td>FIS920040032US1-usfees.xml</td><td>2103</td><td>2004-04-28</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.xml</td><td>24912</td><td>2004-04-28</td></tr> <tr><td>us-fee-sheet</td><td>us-fee-sheet.dtd</td><td>11069</td><td>2004-04-28</td></tr> <tr><td>us-ids</td><td>FIS920040032US1-usidst.xml</td><td>7089</td><td>2004-04-28</td></tr> <tr><td>us-ids</td><td>us-ids.dtd</td><td>7763</td><td>2004-04-28</td></tr> <tr><td>us-ids</td><td>us-ids.xml</td><td>12026</td><td>2004-04-28</td></tr> <tr><td>us-assignment</td><td>FIS920040032US1-usassn.xml</td><td>1892</td><td>2004-04-28</td></tr> <tr><td>us-assignment</td><td>us-assignment.xml</td><td>8983</td><td>2004-04-28</td></tr> <tr><td>us-assignment</td><td>us-assignment.dtd</td><td>10898</td><td>2004-04-28</td></tr> <tr><td>us-assignment</td><td>aFIS92040032us1assign1.tif</td><td>71341</td><td>2004-04-28</td></tr> <tr><td>us-assignment</td><td>aFIS92040032us1assign2.tif</td><td>10820</td><td>2004-04-28</td></tr> <tr><td>us-request</td><td>FIS920040032US1-usrequ.xml</td><td>3863</td><td>2004-04-28</td></tr> <tr><td>us-request</td><td>us-request.dtd</td><td>19064</td><td>2004-04-28</td></tr> <tr><td>us-request</td><td>us-request.xml</td><td>33300</td><td>2004-04-28</td></tr> <tr><td>us-declaration</td><td>aFIS92040032us1dec1.tif</td><td>55631</td><td>2004-04-28</td></tr> <tr><td>us-declaration</td><td>aFIS92040032us1dec2.tif</td><td>46341</td><td>2004-04-28</td></tr> <tr><td>us-declaration</td><td>aFIS92040032us1dec3.tif</td><td>35045</td><td>2004-04-28</td></tr> <tr><td>application-body</td><td>FIS920040032US1-trans.xml</td><td>23887</td><td>2004-04-28</td></tr> <tr><td>application-body</td><td>us-application-body.xml</td><td>83497</td><td>2004-04-28</td></tr> <tr><td>application-body</td><td>application-body.dtd</td><td>49498</td><td>2004-04-28</td></tr> <tr><td>application-body</td><td>wipo.ent</td><td>4956</td><td>2004-04-28</td></tr> <tr><td>application-body</td><td>mathml2.dtd</td><td>54588</td><td>2004-04-28</td></tr> </tbody> </table> |  |                          | Doc. Name         | File Name | Size (Bytes) | Date Produced (yyyymmdd)  | us-fee-sheet | FIS920040032US1-usfees.xml | 2103   | 2004-04-28   | us-fee-sheet | us-fee-sheet.xml | 24912 | 2004-04-28 | us-fee-sheet | us-fee-sheet.dtd | 11069 | 2004-04-28 | us-ids | FIS920040032US1-usidst.xml | 7089 | 2004-04-28 | us-ids | us-ids.dtd | 7763 | 2004-04-28 | us-ids | us-ids.xml | 12026 | 2004-04-28 | us-assignment | FIS920040032US1-usassn.xml | 1892 | 2004-04-28 | us-assignment | us-assignment.xml | 8983 | 2004-04-28 | us-assignment | us-assignment.dtd | 10898 | 2004-04-28 | us-assignment | aFIS92040032us1assign1.tif | 71341 | 2004-04-28 | us-assignment | aFIS92040032us1assign2.tif | 10820 | 2004-04-28 | us-request | FIS920040032US1-usrequ.xml | 3863 | 2004-04-28 | us-request | us-request.dtd | 19064 | 2004-04-28 | us-request | us-request.xml | 33300 | 2004-04-28 | us-declaration | aFIS92040032us1dec1.tif | 55631 | 2004-04-28 | us-declaration | aFIS92040032us1dec2.tif | 46341 | 2004-04-28 | us-declaration | aFIS92040032us1dec3.tif | 35045 | 2004-04-28 | application-body | FIS920040032US1-trans.xml | 23887 | 2004-04-28 | application-body | us-application-body.xml | 83497 | 2004-04-28 | application-body | application-body.dtd | 49498 | 2004-04-28 | application-body | wipo.ent | 4956 | 2004-04-28 | application-body | mathml2.dtd | 54588 | 2004-04-28 |
| Doc. Name                 | File Name  | Size (Bytes)   | Date Produced (yyyymmdd) |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-fee-sheet              | FIS920040032US1-usfees.xml   | 2103   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-fee-sheet              | us-fee-sheet.xml   | 24912  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-fee-sheet              | us-fee-sheet.dtd   | 11069  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-ids                    | FIS920040032US1-usidst.xml   | 7089   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-ids                    | us-ids.dtd   | 7763   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-ids                    | us-ids.xml   | 12026  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-assignment             | FIS920040032US1-usassn.xml   | 1892   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-assignment             | us-assignment.xml  | 8983   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-assignment             | us-assignment.dtd  | 10898  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-assignment             | aFIS92040032us1assign1.tif   | 71341  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-assignment             | aFIS92040032us1assign2.tif   | 10820  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-request                | FIS920040032US1-usrequ.xml   | 3863   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-request                | us-request.dtd   | 19064  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-request                | us-request.xml   | 33300  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-declaration            | aFIS92040032us1dec1.tif  | 55631  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-declaration            | aFIS92040032us1dec2.tif  | 46341  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| us-declaration            | aFIS92040032us1dec3.tif  | 35045  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| application-body          | FIS920040032US1-trans.xml  | 23887  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| application-body          | us-application-body.xml  | 83497  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| application-body          | application-body.dtd   | 49498  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| application-body          | wipo.ent   | 4956   | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |
| application-body          | mathml2.dtd  | 54588  | 2004-04-28               |                   |           |              |   |              |                            |        |  |              |                  |       |            |              |                  |       |            |        |                            |      |            |        |            |      |            |        |            |       |            |               |                            |      |            |               |                   |      |            |               |                   |       |            |               |                            |       |            |               |                            |       |            |            |                            |      |            |            |                |       |            |            |                |       |            |                |                         |       |            |                |                         |       |            |                |                         |       |            |                  |                           |       |            |                  |                         |       |            |                  |                      |       |            |                  |          |      |            |                  |             |       |            |

| Doc. Name        | File Name                | Size (Bytes) | Date Produced (yyyymmdd) |
|------------------|--------------------------|--------------|--------------------------|
| application-body | mathml2-qname-1.mod      | 13225        | 2004-04-28               |
| application-body | isoamsa.ent              | 5191         | 2004-04-28               |
| application-body | isoamsb.ent              | 3988         | 2004-04-28               |
| application-body | isoamsc.ent              | 1460         | 2004-04-28               |
| application-body | isoamsn.ent              | 5620         | 2004-04-28               |
| application-body | isoamso.ent              | 1934         | 2004-04-28               |
| application-body | isoamsr.ent              | 7073         | 2004-04-28               |
| application-body | isogr3.ent               | 3559         | 2004-04-28               |
| application-body | isomfrk.ent              | 4553         | 2004-04-28               |
| application-body | isomopf.ent              | 2571         | 2004-04-28               |
| application-body | isomscr.ent              | 4628         | 2004-04-28               |
| application-body | isotech.ent              | 5268         | 2004-04-28               |
| application-body | isobox.ent               | 3568         | 2004-04-28               |
| application-body | isocyr1.ent              | 5345         | 2004-04-28               |
| application-body | isocyr2.ent              | 2504         | 2004-04-28               |
| application-body | isodia.ent               | 1508         | 2004-04-28               |
| application-body | isolat1.ent              | 5282         | 2004-04-28               |
| application-body | isolat2.ent              | 9007         | 2004-04-28               |
| application-body | isonum.ent               | 5913         | 2004-04-28               |
| application-body | isopub.ent               | 6621         | 2004-04-28               |
| application-body | mmlextra.ent             | 7901         | 2004-04-28               |
| application-body | mmlalias.ent             | 38209        | 2004-04-28               |
| application-body | soextblx.dtd             | 12870        | 2004-04-28               |
| application-body | aFIS920040032US1drw1.tif | 8144         | 2004-04-28               |
| application-body | aFIS920040032US1drw2.tif | 11914        | 2004-04-28               |
| package-data     | FIS920040032US1-pkda.xml | 9181         | 2004-04-28               |
| package-data     | package-data.dtd         | 27025        | 2004-04-28               |
| package-data     | us-package-data.xsl      | 19263        | 2004-04-28               |
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